**Three Way Calling (3020,4020,5019,8028)**

Three Way Calling (TWC) allows a customer to add a third party to an existing conversation without operator assistance. The party initiating TWC may hold one party with privacy exclusion while dialing and talking with another party and can later include the held party in TWC.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Three Way Calling | BA - Three Way Calling | BSE |
| | BS - Three Way Calling | CNS |
| | NX - 3 Way Calling | BSE |
| | USW - Three Way Calling | BSE |

FEATURE OPERATION:

A customer subscribing to TWC is able to add a third party to a stable call regardless of which party originated the call. The subscribing customer flashes his switch-hook, receives recall dial tone, dials the third party, and flashes the switch-hook again. The third party may be added to the call while the station is receiving ringing or the subscribing customer may speak with the third party in private prior to adding the third party to the stable call.

The third party will be disconnected from the call if the party initiating the TWC flashes the switch-hook.

If the party initiating the TWC disconnects, all parties are disconnected.

If a party other than the party initiating the TWC disconnects, the remaining two parties may continue the call.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | 1A ESS | 5ESS | DMS-100 |
|---|---|---|---|
| Earliest Generic Release | 1AE8 | 5E2 | BCS17 |

2. Recursive use of TWC is limited only by resources of the switching system and transmission capabilities (A adds on B, B adds on C, C adds on D, etc.)

3. Dialing restrictions of a station continue in effect when dialing a party to be added on.

4. Speed Calling can be used when adding a party.

5.  The initiator of TWC should not receive a Call Waiting tone. Other parties on the call can receive and respond to a Call Waiting tone.

6.  Either or both legs of a three way call may be an interexchange or international call.

7.  TWC is not available on lines with two or more parties.

8.  References:

    *   LSSGR FR-64 (formerly FR-NWT-000064), FSD 01-02-1301, Three-Way Calling, Issue 1, July 1989, Revision 1, September 1990, Module TR-TSY-000577.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Traffic Data Reports (4016,5012,8016)**

This capability will provide ESPs with periodic (e.g., weekly) printed summaries of traffic data on their network facilities that are associated with central office switches. Traffic data reports include traffic information such as number of call attempts (peg count), number of blocked calls (overflow), and usage by ESP trunk group (minutes of use). The standard methods for delivering this information are paper printouts or magnetic tape in a standard format.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Traffic Data Reports | BS - Access To Traffic Data/Network Usage Information Service | BSE |
| | NX - Trunk Group Measurement Reports | BSE |
| | USW - Traffic Data Report Service | BSE |

References:

- TR-NWT-000335 Voice Grade Special Access Service - Transmission Parameter Limits and Interface Combinations, Issue 3, May 1993

- Also see Recommendation X.25 of the ITU-TS [formerly CCITT] Red Book.

This service, if offered as a BSE, may be associated with the Circuit Switched Line or Trunk basic serving arrangements.

**Transmission Improvement for Circuit Switched Services (8012)**

This capability provides the ESP with a high quality transmission line for use on local switched service. It provides transmission performance between 0 and 4 db at 1000 Hz between the network interface at the subscriber's location and the serving central office switch.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Transmission Improvement for Circuit Switched Services | USW - Improved Transmission Performance | BSE |

References: GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

**Uniform Access Numbers for Business Lines (4010)**

This service provides the ESP with the capability of using a single seven digit telephone number throughout the BellSouth region, Operating Company, State, Local Access and Transport Area (LATA), or NPA. The ESP's traffic is delivered to one location per Traffic Operator Position System (TOPS) Tandem switch per LATA.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Uniform Access Numbers for Business Lines | BS - Uniform Access Numbers | BSE |

FEATURE OPERATION:

The ESP's Uniform Access Number (UAN) traffic is delivered from the originating end office to the associated TOPS Tandem switch over a dedicated trunk group. The TOPS Tandem switch provides the translation and routing functions required to support the service. The ESP's clients will dial the UAN, which will be routed to the associated TOPS Tandem switch. The TOPS Tandem switch translates the UAN and then routes the traffic to the ESP's location. The UAN service is required to support the Automatic Number Identification (ANI) and Custom Service Areas (CSA) basic service elements.

The originating end office translations are set to route the UAN traffic using a unique NXX as a trigger. The 440 NXX will serve the BellSouth region, the 530 NXX will serve South Central Bell only, and the 930 will serve Southern Bell only.

A dedicated one way trunk group from each of the TOPS Tandem switch subtending end offices is used to deliver the UAN traffic to the TOPS Tandem switch. This trunk group is designed to deliver the called number (UAN) and calling line ANI to the TOPS Tandem switch. The Operator Services Signaling (OSS) protocol is used to deliver the information over the trunk group.

The TOPS Tandem switch collects the incoming information and translates the UAN to determine how the call should be handled.

The UAN calls can be delivered to the ESP either through the normal circuit switched network or using dedicated trunks from the TOPS to the ESP's location. If ANI delivery is desired, the trunk side option is required.

At the present time, this service will only be offered to ESPs through the General Subscriber Services Tariff (GSST).

References: not available

This service, if offered as a BSE, is associated with the Circuit Switched Line or Circuit Switched Trunk basic serving arrangements.

3. **Appendix 1 - Region Specific Services - Technical Descriptions for Packet Switched Access Arrangements**

**Abbreviated Call - Packet (8036)**

This capability allows the customer to access predefined addresses by utilizing a predesignated unique alphanumeric character(s) in lieu of the normal call initiation process. The port is not limited to sole access of the predefined address when normal call initiation procedures are followed.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Abbreviated Call - Packet | USW - Abbreviated Call - Packet | CNS |

**Default Window Size - Packet (5022,8007)**

This permits the customer to select a nonstandard default window size of three in one or both directions of transmission. If nonstandard default window sizes are not selected, the default window size of two will apply to both directions of transmission. Default window sizes are set at subscription time.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Default Window Size - Packet | NX - Default Window Size | BSE or CNS |
| | USW - Nonstandard Window Size - Packet | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Flow Control Parameter Negotiation - Packet (8003)**

Flow control allows the data receiver to limit the rate at which it accepts data by controlling the window size and maximum packet size for each direction of transmission. Negotiation is done on a per call basis during the call setup.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Flow Control Parameter Negotiation - Packet | USW - Flow Control Parameters (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Incoming Calls Barred - Packet (5024,8001)**

Incoming Calls Barred allows the customer the option to prevent incoming virtual circuit calls from being sent to their data terminal equipment (DTE). When used in conjunction with a Closed User Group (CUG) this feature prevents individual members of the CUG from receiving calls from outside of the CUG. This option will allow call origination only.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Incoming Calls Barred - Packet | NX - Incoming Calls Barred | BSE or CNS |
| | USW - CUG Incoming Access Barred (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Logical Channels - Packet (8005)**

Logical Channels capability allows the data terminal equipment (DTE) to derive multiple logical channels from a single physical access line. This is accomplished by specifying the logical channel number on every packet which crosses the network interface.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Logical Channels - Packet | USW - Logical Channel (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Logical Channel Layout - Packet (8004)**

This capability permits the arrangement of logical channels to be configured as incoming, outgoing, two way and/or private virtual circuit. The logical channel layout is established at subscription time.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Logical Channel Layout - Packet | USW - Logical Channel Layout (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Menu Server - Packet (7000)**

This service is no longer offered by Southwestern Bell.

**Multiple Network Addresses/Port - Packet (3001,5027,8006)**

This capability allows more than one network address to be assigned to a single access port. Multiple addresses can be purchased in blocks, up to a maximum number of 1000. Messages are delivered according to predetermined customer specifications.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Multiple Network Addresses/Port | BA - Multiple Network Addresses (Packet) | BSE |
| | NX - Multiple Network Addresses/Port | BSE or CNS |
| | USW - Multiple Network Addresses (Packet) | BSE |

Reference: Bell Atlantic Technical Reference 72211, Interface Specification for the Bell Atlantic Public Data Network, Issue C, December 1991.

This service, if offered as a BSE, is associated with the Packet Switched X.25 basic serving arrangement.

**Outgoing Calls Barred (5028,8002)**

This capability allows the customer the option to prohibit outgoing virtual calls for their data terminal equipment (DTE). When used in conjunction with a Closed User Group (CUG) this feature prevents individual members of the CUG from establishing calls outside of the CUG. This option will allow the receipt of incoming virtual circuit calls only.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Outgoing Calls Barred - Packet | NX - Outgoing Calls Barred | BSE or CNS |
| | USW - CUG Outgoing Access Barred (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Permanent Virtual Circuit - Packet (5029,8008)**

Permanent virtual circuits are the electronic equivalent of a private line between two points. At the customer's option, a virtual circuit is established between two customer data terminal locations (DTEs) within the network on a dedicated basis. These two locations are electronically connected, operating similar to a private line between the two points. The association between the two DTEs is established via service provisioning.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Permanent Virtual Circuit - Packet | NX - Permanent Virtual Circuit | BSE or CNS |
| | USW - Permanent Virtual Circuit (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Reverse Charge Request Option (Packet) (5030,8009)**

Reverse charging allows the originating user to request that the call be charged to the called party during call setup. The reverse charging call request is delivered to the called party only when their data terminal equipment (DTE) is configured for Reverse Charge Acceptance. If the terminating DTE does not subscribe to Reverse Charge Acceptance, the call will be cleared.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Reverse Charge Request Option (Packet) | NX - Reverse Charge Request | BSE or CNS |
| | USW - Reverse Charge Option (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 basic serving arrangement.

### 4. Appendix 1 - Region Specific Services - Technical Descriptions for Dedicated Access Arrangements

**Access To Customer Premises Announcement (5035)**

This feature allows an ESP to furnish customized announcement services to an Automated Call Distribution customer. ACPA connects callers in the ACD queue to customer provided announcements or music. Using this feature the ESP can provide and manage announcements on behalf of the customer. The ESP requires private line access for each ACPA arrangement.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Access To Customer Premises Announcements | NX - Customized Announcement Service | BSE |

FEATURE OPERATION:

The ESP furnishes an announcement to the ACPA port over a private line. The ACD will automatically connect a caller in queue to the ACPA port when the feature is present.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS36 |

2. This is a feature of Automatic Call Distribution.

**Access To Order Entry System (4004)**

This capability will allow ESPs to provide basic ordering information to the business office through a mechanized interface.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Access To Order Entry System | BS - Administrative Management Service (AMS) | BSE or CNS |

FEATURE OPERATION:

A new offering, currently using the BellSouth project name of Administrative Management Service (AMS), will provide a mechanized interface for customers to provide service ordering information to the appropriate business office.

This service will be offered on a dial-up or dedicated basis. The ESPs will not have direct access to the Order Entry System, but will have access through the AMS front-end processor. The front-end processor will provide the necessary security and information screening.

References: not available.

This service, if offered as a BSE, is associated with the Access To Operations Support Systems Information BSE (which is associated with the Dedicated Digital (< 64 kbps) basic serving arrangement).

**DS0-B Subrate Multiplexing Service (4015)**

DS0-B Subrate Multiplexer (SRM) service provides time division multiplexing of multiple client digital derived data channels into a single standard interface for efficient interconnection to an ESP.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| DS0-B Subrate Multiplexing Service | BS - DS0-B Interface | BSE or CNS |

FEATURE OPERATION:

Service is established via a service order placed by the ESP with the local operating company. Appropriate dedicated transport facilities (including local channel and applicable interoffice mileage elements) are also ordered for access to the SRM. The ESP negotiates and makes arrangements with its clients to connect their individual derived data channels to the SRM. These orders must be coordinated with the ESP in order to ensure adequate facilities are available and appropriate channel assignments, as specified by the ESP, are made.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This capability is independent of central office switch type.

2. The DS0-B SRM is interconnected to the ESP's client via an appropriate derived data channel service in the local serving office.

3. The ESP interconnects to the DS0-B SRM via an appropriate four-wire dedicated transport facility.

4. The DS0-B signal is a standard DDS signal as specified in Bellcore Technical Advisory TA-TSY-00280.

References:

See BellSouth documents TR73548 "Derived Channel Access Service Digital Data Over Voice Network Interface Specifications", Issue 1 June 1990 and Addendum 1 March 1991.

This service, if offered as a BSE, is associated with the Dedicated Derived Channel BSA.

**High Capacity Digital Hand-Off Service (3026)**

High Capacity Digital Hand-Off Service carries voice grade local exchange and Channel Services between the customer's serving central office and the customer's compatible premises equipment using a DS1 facility with the D4 format. Up to 24 local exchange voice and Channel Services can be supported on the facility. The facility is handed-off to the customer in the D4 format.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| High Capacity Digital Hand-Off Service | BA - High Capacity Digital Hand-Off Service | BSE |

FEATURE OPERATION:

At the time the service is ordered the customer must designate which services are to be carried on each of the 24 channels in the DS1 facility. Future additions and changes to channel assignments must be coordinated with the Telephone Company.

Where the serving central office is a digital switch, the facility may run from the customer's high capacity interface directly into the central office switch. Only DID trunks may be carried over this directly connected facility.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. The High Capacity Digital Hand-Off facility is a digital channel operating at a transmission speed of 1.544 Mbps. It is a simultaneous two-way transmission media using serial, bipolar, return-to-zero, isochronous, alternating mark inversion format.

2. 1000 Channel metallic services and Digital Data Service may not be transported over these facilities.

3. Reference: GR-54 DS1 High-Capacity Digital Service End User Metallic Interface Specifications, Issue 1, December 1995 (replaces TR-NPL-000054, Issue 1)

This service is a BSE associated with the Dedicated High Capacity Digital (1.544 Mbps) Basic Serving Arrangement in the local exchange tariff and an alternative of Line Side BSA in the access tariff.

**Inband Signaling (3018)**

Inband Signaling provides the ability to order analog voice grade Special Access circuits with signaling arrangements as described in TR-NWT-000335.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Inband Signaling | BA - Inband Signaling | BSE |

Reference:

- TR-NWT-000335 Voice Grade Special Access Service - Transmission Parameter Limits and Interface Combinations, Issue 3, May 1993

- MDP-326-584 - Table 4 Data Communications Using Voiceband Private Line Channels, Issu1 1, October 1973

This service, if offered as a BSE, is associated with the Dedicated Voice Grade basic serving arrangement.

**Line Monitor Service (3027)**

*Note - this service was removed from the January 1996 issue of the ONA Services User Guide. It is no longer being offered.*

**Multiplexing - Digital (2000,2001,2002,2018,3005,4007,5034,7034,8013)**

Multiplexing is a technique that uses a single transmission facility to provide several transmission channels, such as by sharing the time slots of the channel (time-division multiplexing) or superimposing many frequencies at the same time (frequency-division multiplexing) in order that many signal sources and links may communicate during a given time period. This capability may include multiplexing such as:

— DS0 To Subrates - This capability provides for the time division multiplexing of multiple digital data signals operating at the subrate speeds of 2.4 Kbps, 4.8 Kbps, or 9.6 Kbps with a 64 Kbps DS0 digital signal.

— Multiplexing - DS1/Analog or DS0 - This capability provides for the pulse code modulation and/or time division multiplexing of multiple analog voice and/or multiple 64 Kbps DS0 digital signals into a 1.544 Mbps data stream for the purposes of reducing the number of transmission links required between two points.

— Multiplexing - DS1 To DS0 - This capability provides for the time division multiplexing of up to twenty-four 64 Kbps DS0 digital signals into a 1.544 Mbps DS1 digital signal.

— Multiplexing - DS1 To Voice Grade - This capability provides for the pulse code modulation and time division multiplexing of up to twenty-four 4 Khz voice grade channels into a 1.544 Mbps DS1 digital signal.

— Multiplexing - DS3/DS1 - This capability provides for the time division multiplexing of up to twenty-eight 1.544 Mbps DS1 digital signals into a 44.736 Mbps DS3 digital signal.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Multiplexing - Digital | AM - Ameritech DS1 to DDS/DS0 Multiplexing | BSE |
| | AM - Ameritech DS1 to Voice/Ameritech Base Rate Multiplexing | BSE |
| | AM - Ameritech DS3 to Ameritech DS1 Multiplexing | BSE |
| | AM - DS0 To Subrate Multiplexing | BSE |
| | BA - Multiplexing | BSE |
| | BS - DS1/Analog or DS0 Multiplexer | BSE or CNS |
| | BS - DS3/DS1 Multiplexer | BSE or CNS |
| | NX - DS3/DS1 Multiplexer | BSE |
| | SWB - Multiplexing | BSE |
| | USW - Multiplexing | BSE |

References:

- TR-TSY-000009 Asynchronous Digital Multiplexes Requirements and Objectives, Issue 1, May 1986.

- TR-TSY-000010 Synchronous DS3 Add-Drop Multiplex (ADM 3/X) Requirements and Objectives, Issue 1, February 1988.

- Ameritech - See GA-342 High Capacity Digital Special Access Service Transmission Parameter Limits and Interface Combinations, Issue 1, December 1995 (replaces TR-INA-000342, Issue 1)

This service, if offered as a BSE, is associated with the Dedicated Voice Grade and the Dedicated High Capacity basic serving arrangements.

For Ameritech, DS1 to DDS/DS0 and DS1 to Voice/Base Rate are associated with Dedicated High Capacity Digital (1.544 Mbps) type BSA; DS3 to DS1 is associated with Dedicated High Capacity Digital (>1.544 Mbps) type BSA.

DS3/DS1 multiplexer is associated with the Dedicated Digital 45 Mbps BSA.

**Route Diversity \*\***

\*\* NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1993 update.

**User Initiated Diagnostics (4009)**

This capability will allow ESPs to electronically report and check the status of local and access, circuit and line troubles into support systems. Customers may also receive hard copy printouts.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| User Initiated Diagnostics | BS - Administrative Management Service (AMS) | BSE or CNS |

FEATURE OPERATION:

A new offering, currently using the BellSouth project name of Administrative Management Service (AMS), will provide a mechanized interface for customers to access this service.

This service will be offered on a dial-up or dedicated basis. The ESPs will not have direct access to the Order Entry System, but will have access through the AMS front-end processor. The front-end processor will provide the necessary security and information screening.

References: not available.

This service, if offered as a BSE, is associated with the Access To Operations Support Systems Information BSE (which is associated with the Dedicated Digital (< 64 kbps) basic serving arrangement).

5.     **Appendix 1 - Region Specific Services - Technical Descriptions for Dedicated Network Access Link Serving Arrangements**

**Expedited Testing Service \***

*\* Note - this service was deleted due to technical difficulties.*

**Message Waiting Indicator Activation (Visual) - Expanded**

** NOTE - this service was formerly 2003, but is now service 1101 in the main section of the ONA Services User Guide for the July 1996 update and later.

**Order Entry Service (8011)**

This capability delivers to an ESP the ANI of callers to certain telephone numbers along with the called number. **The call is not delivered to the ESP.** The ANI and called number are forwarded by the telephone company via a private line data link. This capability currently supports cable television pay-per-view applications. The ANI identifies which client ordered the service and the called number indicates which service (television broadcast) was ordered.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Order Entry Service | USW - ANI Order Entry Service | BSE |

References: not available.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link basic serving arrangement.

**Initial Address Message (2006)**

Signaling System Seven (SS7) provides out of band transmission of SS7 protocol signaling information between the end office switching system or the tandem office switching system and the customer's designated premises. The SS7 Signaling option requires the customer to purchase Signal Transfer Point Access and the Basic Initial Address Message Delivery option. This feature is available in SS7 signaling equipped end or tandem offices with Feature Group D and terminating Feature Group B.

The Initial Address Message provides the ESP a common switching optional feature using an SS7 message along with other information relating to the routing and handling of the call to the next switch.

The Initial Address Message Delivery option requires the customer to purchase Signal Point Access and SS7 Signaling option.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Initial Address Message | AM - Initial Address Message | BSE |

FEATURE OPERATION:

This Initial Address Message option permits the following optional SS7 signaling call setup parameters: User Service Information, Called Party Number, Calling Party Number, Charge Number, Originating Line Information, Transit Network Selection, Carrier Selection, Service Code and Access Transport.

User Service Information is an SS7 Parameter which may be coded to indicate any one of four circuit mode bearer points for addressing ISDN customer premises equipment.

The Called Party Number parameter is the called directory number delivery.

Calling Party Number is available on a direct SS7 equipped end office connection or a connection to the access tandem when there is not Multifrequency and SS7 signaling interworking.

The Charge Number parameter is the Automatic Number Identification number (ANI). (See Calling Billing Number Delivery - FG D Protocol).

Originating Line Information parameter via SS7 is equivalent to the information digits provided with ANI digits to an interexchange carrier. This data identifies the following items: that (1) the originating telephone number is the station billing number, no special treatment is required, (2) it is a multiparty line - the telephone number is a four/eight-party line and cannot be identified - number must be obtained by operator or some other manner, (3) and ANI failure has occurred, (4) this is a hotel/motel originating call, (5) this is a coinless station, hospital, inmate, etc. call requiring special screening or handling, (6) the call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment (CPE).

Transit Network Selection is an SS7 parameter which indicates to an intermediate node or network which carrier and circuit group is to be selected.

Carrier Selection is an SS7 parameter which identifies whether the originating line is presubscribed to an interexchange carrier or not. If the line was presubscribed this parameter will report if the end user dialed 10XXX (and/or 101XXXX), did not dial 10XXX (and/or 101XXXX), or that no indication of dialing is available.

Service Code is an SS7 parameter which allows individual calls to be identified and routed based on specific service characteristics.

Access Transport is an SS7 parameter used to transport ISDN user information across the network. This information is transparent to the local exchange carrier.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | 1A ESS | 5ESS | DMS-100 |
|---|---|---|---|
| Earliest Generic Release | 1AE11 | 5E6 | BCS30 |

2. References:

   - Ameritech Technical reference AM-TR-OAT-000069, Issue 3, August 1993 - Ameritech Supplement Common Channel Signaling (CCS) Network Interface Specification.

   - Technical Reference GR-317, Issue 2, December 1997 - Switching System Generic Requirements for Call Control Using the Integrated Services Digital Network User Part (ISDNUP) (replaces TR-NWT-000317, Issue 4).

   - Technical Reference GR-394, Issue 2, December 1997 - Switching System Generic Requirements for Interexchange Carrier Interconnection Using the Integrated Services Digital Network User Part (ISDNUP), (module of LSSGR FR-64) (replaces TR-NWT-000394, Issue 4).

   - Technical Reference GR-905, Issue 2, December 1996, Revision 1 - December 1997 - Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and ISDN User Part (ISDNUP) (replaces TR-TSV-000905, Issue 2).

This service, if offered as a BSE, is associated with the Dedicated Network Access Link BSA.

**Coordinated Voice and Data Acceptance (2007)**

Coordinated Voice and Data Acceptance allows for the simultaneous delivery of voice and data for incoming calls. Additional caller information may be requested to provide information to the agent line, however, this is determined by the host computer application. If the customer wants the capability of having the host computer send the customer information automatically to the agents' lines, then Caller ID must be ordered on the Automatic Call Distributor centrex line.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Coordinated Voice and Data Acceptance | AM - Coordinated Voice and Data Acceptance | BSE |

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Coordinated Voice and Data Acceptance feature accommodates, via the exchange of data messages on the DNAL, various feature interactions between the ESP's host computer and the telephone company. Features that may interact with a host computer using this feature include Computer Assisted Dialing Acceptance, Call Redirection Acceptance, and Computer Assisted Call Transfer Acceptance.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS33 |

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3. References:

   • Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

**Computer Assisted Dialing Acceptance (2010)**

Computer Assisted Dialing Acceptance allows the customer's host computer to notify the telephone company equipment to place a call to a selected number on behalf of a particular agent. The computer dials the number and when the call is answered then the called party is connected to an agent. Customers using this feature must comply with the provisions of the Telephone Consumer Protection Act of 1991 as set forth in Part 64 and Part 68 of the Federal Communication Commission's Rules.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Computer Assisted Dialing Acceptance | AM - Computer Assisted Dialing Acceptance | BSE |

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Computer Assisted Dialing Acceptance feature accommodates, via the exchange of data messages on the DNAL, the dialing of the called number with presenting an answered call to the agent's telephone in conjunction with the agent's host computer presentation of customer or subject specific data to the agent's computer terminal. Only calls receiving an answer condition will be presented to the agent.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1.  This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS33 |

2.  Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3.  References:

    *   Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

**Computer Assisted Call Transfer Acceptance (2009)**

Computer Assisted Call Transfer Acceptance allows the customer's host computer to notify the telephone company equipment to transfer a call after the call has been delivered to an agent.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Computer Assisted Call Transfer Acceptance | AM - Computer Assisted Call Transfer Acceptance | BSE |

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Computer Assisted Call Transfer Acceptance feature accommodates, via the exchange of data messages on the DNAL, the transferring of calls between agents. The calls may be transferred at any time during the interaction with the customer.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS33 |

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3. References:

   • Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

**Call Redirection Acceptance (2008)**

Call Redirection Acceptance allows the customer's host computer to notify the telephone company equipment to allow the call to complete as dialed or redirect an incoming call to an alternate number within the customer's Automatic Call Distributor (ACD) group prior to the call being accepted by an agent.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Call Redirection Acceptance | AM - Call Redirection Acceptance | BSE |

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows simultaneous delivery of voice and data information for incoming and outgoing calls. The Call Redirection Acceptance feature interacts with the agent's host computer which may direct the telephone company equipment, via the exchange of data messages on the DNAL, to deliver an incoming call to an agent selected by the host computer. The host computer could have the capability to simultaneously deliver the calling party's personal data to the agent's computer terminal at the same time the call is delivered to the agent's telephone.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1.  This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS33 |

2.  Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3.  References:

    •   Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

**Video Dialtone Broadcast Service Channels (3011)**

A Video Dialtone Service that provides for the transport of video and other programming signals.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Video Dialtone Broadcast Channels | BA - VDT - Broadcast Channels | BSE |

FEATURE OPERATION:

Video Dialtone Broadcast Service Channels provides a Programmer-Customer with transport of 6 Mbps MPEG2 formatted digital signals from the Video Distribution Office to all end-user subscribers within the service area.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

For interface publications, see Bell Atlantic Technical Publications TR-72550 and TR-72211.

Also see BroadBand Technologies Technical Publication TESP-0106. Contact information for BroadBand Technologies, Inc.:

> BroadBand Technologies, Inc.
>
> Suite 150, Triangle Business Center
>
> 4024 Stirup Creek Drive
>
> Durham, NC 27703
>
> Post Office Box 13737
>
> Research Triangle Park, NC 27709-3737
>
> Telephone: 919 544-0015
>
> Fax: 919 544-5356

This service is offered where available and facilities permit.

**Video Dialtone Messaging Port (3013)**

A Video Dialtone Service that provides for the transport of video and other programming signals

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Video Dialtone Messaging Port Service Channels | BA - VDT - Messaging Port | BSE |

FEATURE OPERATION:

Video Dialtone Messaging Port allows the Programmer-Customer to: 1) provide text message overlays on associated broadcast or narrowcast channels; or 2) specify designated broadcast or narrowcast channels that allow individual end-user subscribers to initiate interactive text sessions.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

For interface publications, see Bell Atlantic Technical Publications TR-72550 and TR-72211.

This service is offered where available and facilities permit.

**Video Dialtone Narrowcast Service Channels (3012)**

A Video Dialtone Service that provides for the transport of video and other programming signals.

| Generic Name of ONA Service | Product Name | BS or CNS |
|---|---|---|
| Video Dialtone Narrowcast Service Channels | BA - VDT - Narrowcast Service Channels | BSE |

FEATURE OPERATION:

Video Dialtone Narrowcast Service Channels provides a Programmer-Customer with transport of 6 Mbps MPEG2 formatted digital signals from the Video Distribution Office to end-user subscribers located in cells selected by the Programmer-Customer.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

For interface publications, see Bell Atlantic Technical Publications TR-72550 and TR-72211.

Also see BroadBand Technologies Technical Publication TESP-0106. Contact information for BroadBand Technologies, Inc.:

> BroadBand Technologies, Inc.
>
> Suite 150, Triangle Business Center
>
> 4024 Stirup Creek Drive
>
> Durham, NC 27703
>
> Post Office Box 13737
>
> Research Triangle Park, NC 27709-3737
>
> Telephone: 919 544-0015
>
> Fax: 919 544-5356

This service is offered where available and facilities permit.

# APPENDIX 2

# July 31, 1998

## APPENDIX 2:  BOC ONA CONTACTS

| Regional Company | Name<br>Address | Phone |
|---|---|---|
| Ameritech Services, Inc. | ESP Hot Line | 800-451-5283 |
| Bell Atlantic | Wayne Chiles<br>Bell Atlantic<br>1310 N. Court House Road,<br>Arlington, VA 22201 | 703-974-5939<br>FAX 703-974-0616 |
| BellSouth Services | Cindy Ford | 404-420-8403 |
| NYNEX | Wayne Chiles<br>Bell Atlantic<br>1310 N. Court House Road,<br>Arlington, VA 22201 | 703-974-5939<br>FAX 703-974-0616 |
| Pacific Bell | ESP OUTREACH | 1-800-300-6230 |
| Southwestern Bell Telephone | Carey Caldwell<br>Southwestern Bell Telephone<br>4 Bell Plaza, Room 1830.08<br>Dallas, TX 75202 | 214-858-0593<br>FAX 214-858-0775 |
| U S WEST Communications | Interconnection Service Center | 800-544-7126 |